

Enterprise Architecture Assurance Guidelines

The following Enterprise Architecture guidelines are provided to preserve the value of the individual methodologies and still provide the benefit of consistent Enterprise Architecture. All methodologies must include information representing the following Enterprise Architecture concerns at the project phase indicated in parenthesis. The Project Manager is accountable to assure these are included. More detail on providing this information can be obtained by contacting the EPMO.

Assess Business Alignment (Conceptual Design)

Application categorization

- Describe the business process supported by this proposed application.
- Assign the business categorization as referred to in the Enterprise Architecture repository.
 - Business Domain
 - Business Sub-Domain
 - Business Function
 - Business Sub-function

Architecture scope

- Describe the scope of the project, who are the users of the final product, what other business processes are impacted, and identify any applications that may be replaced or retired by this application.
 - User Profile
 - Other Process Impacted
 - Other Applications Affected

Functional Requirements

- Describe expected requirements in terms of who, how, where, and when the solution will be used. At this time this representation may be in any format consistent with a methodology. This could include Word documents, Vision drawings, use cases, etc.

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Assess Solution Proposal (Preliminary Design)

Identify non-functional requirements and constraints of the application

Scope

- Total population of users
- Total number of concurrent users
- Physical location of users

Availability

- Normal operation hours
- Acceptable MTBF (mean time before failure)
- Acceptable MTTR (mean time to recovery)
- Business Continuity Planning requirement
- Data retention/ recovery requirement

Performance

- Mean response time for transactional applications
- Mean batch performance

Security

- Authentication requirement
- Access control requirement

High Level Design Assumptions

- Topology
- Platform
- Hosting

Design Constraints

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Assess Architecture Alignment (Detail Design)

Describe overall component topology and interfaces. Identify all technical infrastructure and products required to develop, test, deploy, and operate the application.

- Platform assumptions (Development, QA/Test, Production)

Topology map (Visio or equivalent diagram describing relative platform placement)

- TRM (Technical Reference Model) map

Identify all product dependencies as they relate to the Enterprise Architecture TRM)

	Tier 1 (Client)	Tier 2 (application server)	Tier 3 (DB Server)	Tier n..
Platform				
Data				
Network				
Security				
Common Services				
Integration				

- Operational Procedures
 - Application Startup/ Shutdown /Failover
 - Backup / Restore
 - Management / Monitoring

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